

Table 3
List of Releases
North Pole Refinery
Flint Hills Resources Alaska, LLC

Date	Description and/or Location(s)	Product(s)	Volume (gallons)
9/2/77	Tank 502 dike	Naphtha	120
10/1/77	Tank 502 dike	Naphtha	200
12/25/77	Crude handling heat exchangers	Crude	150
12/28/77	Control room to utility building process area	Naphtha	180
1/10/78	Loading rack on concrete pad	#1 Fuel Oil	1,000
1/19/78	Crude charge pump skid	Crude	100
2/2/78	Dike, sump & ditch at Tank 504	JP-4	12,000
2/3/78	Adjacent to return oil pumps	Return oil	150
2/7/78	Skid 4 return oil pump	Return oil	100
2/13/78	Skid at heat exchangers	Reduced Crude	100
4/10/78	Skid return oil pump	Return oil	200
8/5/78	Inside Tank 502 dike	JP-4	230
10/29/78	Pipe rack near skid 4	Propylene glycol	1,150
12/4/78	Tank	JP-4	1,500
12/21/78	Tank	JP-4	300
12/14/79	Within Tank 509 dike	#1 Fuel Oil	2,000
2/12/80	Tank	JP-4	5,600
9/23/80	Surplus DOD Tanks (old bolted tanks along Naphtha Ave)	JP-4	60,000
11/20/80	Tank	JP-4	100
12/20/80	North Pole Refinery	Diesel	220
1/10/81	Tank	JP-4	1,100
5/7/81	Tank car loading rack	JP-4	200
6/4/81	Tank car loading rack	JP-4	100
8/31/81	Inside dike for Tank 509 in sump	Jet A	200
11/1/81	Inside dike for Tanks 508 & 509	Jet A	2,000
11/3/81	Rail loading rack SW station	#1 Heating oil & diesel	150
11/18/81	Rail loading rack station #4	#1 Fuel	100
12/4/81	North Pole Refinery	Jet A	10,000
1/5/82	500' south of rail loading rack	Jet A	500
2/23/82	Station #1, rail loading rack	JP-4	125
7/22/82	South of main process unit	Kerosene	1,000
11/4/82	Load rack – rail loading station	Jet B	300
11/11/82	Load rack – rail loading station	Jet A	1,000
4/7/84	Rail loading station	HAGO	4,287
9/5/84	Asphalt process area	Asphalt	200
1/25/85	Chemical addition	Kerosene	100
3/23/85	Rail Loading Rack	JP 4	17,000
5/3/85	End of bottom loading rack	Kerosene	600
5/5/85	Asphalt loading rack	Kerosene	1,000
6/7/85	South end of NS pipe rack	Crude	500
9/13/85	Asphalt truck loading area	Asphalt	8,000
10/2/85	Flow from lagoon west to gravel pit	Wastewater	100
1/2/86	Tank 617 (near intersection of Williams Ave and Gasoline Alley)	Unleaded gasoline	8,400
4/24/86	Inside Asphalt tank dike	Asphalt w/ kerosene	300
4/29/86	Inside Asphalt tank dike	HAGO	2,500
12/4/86	Jet A filter skid Tank 402 dike	Jet-A	900

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12/12/86	Inside Tank 101 dike	Return oil	200
1/1/87	Spread northerly from skids 5 & 6 under the pipe rack	HAGO	20,000
4/8/87	Tank 401 dike	#2 Diesel	100
4/15/87	Charge skid pumps	Crude	100
9/16/87	SE corner of lagoon B	Tank 192 Effluent wastewater	250
7/15/88	Crude Unit #1	HAGO	300
9/22/88	Tank 508 dike	Oily water	200
11/23/88	Sump 05-7	Oily water	140
1/15/90	Rail loading rack	Jet A	100
4/2/90	SE Corner of Lagoon B	Oily water	120
7/5/90	Tank 501 Dike area	JP-4	2,400
1/29/91	Rail loading rack	Gasoline	100
4/5/91	Tank 302 Dike Area	Kerosene	8,000
6/18/91	Asphalt truck rack	Asphalt	200
7/9/91	Asphalt truck rack	Asphalt	100
3/28/92	Tank dike area around tanks	JP-4	400
4/4/92	East end How Baker Unit	Naphtha	1,250
4/22/92	Rail rack loading area	AC-5	118
6/12/92	North Pole Refinery	Av Fuel	4,000
11/24/92	Rail rack	Jet A	187
2/3/93	Rail rack	Kerosene	3,600
2/9/93	Tank 192	Oily water	250
4/23/93	Truck rack	HAGO	500
6/10/93	North Pole Refinery	Gasoline	304
11/4/93	Rail Rack	Jet A	1,255
11/11/93	Truck Loading Rack	Jet A	11,500
1/16/94	NE corner of lagoon A	Wastewater	400
1/30/94	NE side of lagoon C	Wastewater	500
4/20/94	North of Lagoon B	Wastewater	400
4/30/94	North of Lagoon B	Wastewater	1,000
5/3/94	North Pole Refinery	#1 Fuel oil	100
8/30/94	Rail Rack	Leaded Gasoline	1,200
11/9/94	Rail rack	Diesel	830
11/13/94	VRU	Ethylene Glycol	165
4/13/95	Rail rack	Gasoline	200
4/24/95	Truck rack	Diesel	100
11/1/95	Additive enclosure and wastewater system	Additive	313
11/9/95	Rail catch basins	Jet A	100
11/14/95	Truck rack paved area only	HAGO	300
12/1/95	Truck rack paved area and snow covered gravel area to the south	Gasoline	105
5/1/96	North Pole Refinery	Slop oil (gasoline)	300
6/27/96	Crude Unit 1 Desalter	Crude	1,200
6/27/96	Crude 1 desalter	Crude oil	1,200
8/12/96	Truck rack lane 6	Gasoline	94

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Date	Description and/or Location(s)	Product(s)	Volume (gallons)
11/1/96	North Pole Refinery	Gasoline	750
10/7/96	Underground "oily waste" pipeline near Lab and Firehouse	"oily waste"	Unknown
4/25/97	North Pole Refinery	Gasoline	750
5/1/97	North Pole Refinery	Propylene Glycol	7,400
6/7/97	Sump discharge piping between S-921 and the main off-site header (behind dist)	Slop oil	100
6/7/97	Rupture in off-site slop oil line during increase in pressure	Gasoline	500
6/23/97	Ground below sump 903	Wastewater	100
7/14/97	Truck rack, lane 3	Diesel	200
7/18/97	North Pole Refinery	Crude	500
7/22/97	Ground surrounding sump	Oily water	100
7/29/97	Lane 3, truck rack pavement	Kerosene	100
7/31/97	North Pole Refinery	Kerosene	100
8/7/97	North Pole Refinery	Naphtha	150
8/14/97	North Pole Refinery	Gasoline	250
8/22/97	North Pole Refinery	Oily Water	100
9/8/97	Sidewalk area between utility building and Tank 192	Oily Water	200
10/12/97	New naphtha extraction skid	Kerosene	400
10/31/97	North/south pipe rack directly south of truck rack	Oily water (light distillate & water)	200
11/7/97	North Pole Refinery	Wastewater?	500
11/7/97	North Pole Refinery	Wastewater?	100
12/18/97	Naphtha extractor skid on ground level	Kerosene	150
1/6/98	North Pole Refinery	Propylene glycol	150
5/24/98	Tank Farm Asphalt Loading Pumps	Propylene glycol	200
8/29/98	Crude Unit #1	NALCO 5541	150
8/30/98	Maintenance Building	Propylene glycol	4,140
9/1/98	Secondary containment	Nalco 5541	150
9/29/98	Crude Unit #1 Glycol Heater 5005, Secondary containment	Propylene glycol	200
11/15/98	Crude Unit #1 Secondary containment	Residual oil	280
11/29/98	Tank Farm – Sump 922	Kerosene	1,500
1/8/99	Crude Unit #2 BeRT unit – secondary containment	Benzene Overhead product	200
1/17/99	Truck rack – sump	Kerosene	300
6/23/99	Tank Farm – Tank 822 loading skid	Asphalt AC-5	200
11/28/99	Crude Unit #2	Propylene glycol	300
12/31/99	North Pole Refinery	Kerosene	488
2/16/00	Tank Farm – skid form filter vessel	Kerosene	200
3/1/00	Rail rack – strainer housing	Naphtha	150
5/25/00	North Pole Refinery	Diesel	500
8/21/00	Tank farm	Propylene Glycol	144
9/20/00	Crude unit 2 glycol heat trace system	Propylene Glycol	800
9/29/00	Tank Farm – valve packing	Gasoline	250
12/4/00	Tank Farm – Recovery well line	Groundwater	1,000
1/31/01	Tank Farm	Groundwater	200
2/18/01	Tank Farm	Propylene glycol	455
3/23/01	Tank Farm – HAGO rundown line	HAGO	150
4/2/01	Crude Unit #2 – propylene glycol manifold	Propylene glycol	158
6/14/01	Rail Rack	Gasoline	306
6/16/01	Tank Farm HAGO Drier	HAGO	1,500

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6/16/01	Wastewater line	Stripped Wastewater	300
7/13/01	Tank Farm Glycol Line	Propylene Glycol	160
9/17/01	Crude Unit #2 Surge Drum	Glycol/water mixture	725
9/27/01	Tank Farm Glycol Line	Glycol	200
12/8/01	Tank Farm	Propylene Glycol	165
1/3/02	NPR Crude Unit #1 High point vent on new rail steam spur offload line	Residual oil & Kerosene	2,000
2/9/02	Crude Unit #2 Coupler fitting	Propylene glycol	147
4/29/02	Crude Unit #2 Holding Tank	Naphtha Wash Water	400
5/10/02	Crude Unit #1 Charge Skid Sump	ARC	300
5/24/02	Sump Drain	Oily water	1
7/15/02	Crude Unit #1 Tank 194	Sulfolane	150
10/21/02	Crude Unit #2 I/O (207)	Propylene Glycol	140
10/31/02	Truck Rack Lane 2 Load Arm	Kerosene	225
11/21/02	Crude Unit #1 Portable Air Compressor	Glycol	200
12/2/03	Wastewater System	Oily Wastewater	200
7/11/04	Rail Rack	LAGO	154
7/31/04	Crude Unit #2	Kerosene	1,071
10/28/04	Sump 5002	Oily wastewater	390
9/10/05	Truck Loading Rack	Asphalt	75
1/26/06	Wastewater Lagoon	FeCl Solution	NA
5/12/06	Exchanger Wash Skid	Oily Water	600
7/4/06	Ferric Chloride pump	FeCl, Propylene Glycol	162
7/25/06	ASIG Pit Sump	Oily Water	200
12/16/06	Rail rack	Jet A	108

NA not available